

Product datasheet for **AR52012PU-S**

MESDC2 (30-224, His-tag) Mouse Protein

Product data:

Product Type:	Recombinant Proteins
Description:	MESDC2 (30-224, His-tag) mouse protein, 20 µg
Species:	Mouse
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	MGSSHHHHHH SSGLVPRGSH MGSADTPGEA TPPPRKKKDI RDYNDADMAR LLEQWEKDDD IEEGDLPEHK RPSAPIDFSK LDPGKPESIL KMTKKGKTLM MFVTVSGNPT EKETEEITSL WQGSFNANY DVQRFIVGSD RAIFMLRDGS YAWEIKDFLV SQDRCAEVL EGMYPGKGG GSKEKNKTKP EKAKKKEGDP KPRASKEDNR AGSRRE?
Tag:	His-tag
Predicted MW:	24.4 kDa
Concentration:	lot specific
Purity:	>90% by SDS - PAGE
Buffer:	Presentation State: Purified State: Liquid purified protein Buffer System: Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.
Preparation:	Liquid purified protein
Storage:	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_075892
Locus ID:	67943
UniProt ID:	Q9ERE7
Cytogenetics:	7 D3
Synonyms:	2210015O11Rik; AW537813; mesd; mKIAA0081; msd



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Summary:

Chaperone specifically assisting the folding of beta-propeller/EGF modules within the family of low-density lipoprotein receptors (LDLRs). Acts as a modulator of the Wnt pathway through chaperoning the coreceptors of the canonical Wnt pathway, LRP5 and LRP6, to the plasma membrane. Essential for specification of embryonic polarity and mesoderm induction (PubMed:12581525). Plays an essential role in neuromuscular junction (NMJ) formation by promoting cell-surface expression of LRP4 (PubMed:24140340). May regulate phagocytosis of apoptotic retinal pigment epithelium (RPE) cells (PubMed:27184668).[UniProtKB/Swiss-Prot Function]

Product images: